AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1. (Currently Amended) A light emitting device, comprising:

a light emitting element having an electric signal terminal, the light emitting element being configured to emit light by an electric signal output from the electric signal terminal; and

a semiconductor chip having a light emitting element driving circuit and a temperature detecting element, the semiconductor chip being configured to drive the light emitting element, the light emitting element driving circuit transmitting the electric signal to the electric signal terminal of the light emitting element, the temperature detecting element detecting a temperature surrounding the light emitting element,

wherein the light emitting element is mounted on the semiconductor chip and is driven based on the temperature detected by the temperature detecting element, and at least part of the temperature detecting element is disposed in a light emitting element disposed region, the light emitting element disposed region being a minimum region including where the light emitting element is being mounted on the semiconductor chip.

2 (Cancelled).

3. (Previously presented) The light emitting device according to claim 1, wherein the light emitting element driving circuit is formed in the semiconductor chip for driving the light emitting element excluding a light emitting element disposed region.

4. (Previously presented) The light emitting device according to claim 1, wherein the light emitting element comprises a plurality of visible light emitting elements that emit light at different wavelengths, and the semiconductor chip for driving the light emitting element drives the light emitting elements individually to maintain a white balance of the plurality of light emitting elements based on the temperature detected by the temperature detecting element.

5. (Previously presented) A lighting equipment, comprising:

a plurality of the light emitting devices according to claim 1.

6. (Currently Amended) A semiconductor chip for driving a light emitting element, light emitting element being mounted on the semiconductor chip and having an electric signal terminal and configured to emit light by an electric signal output from the electric signal terminal, the semiconductor chip comprising:

a light emitting element driving circuit that transmits the electric signal to the electric signal terminal of the light emitting element; and

a temperature detecting element that detects a temperature surrounding the light emitting element,

wherein the light emitting element is driven based on the temperature detected by the temperature detecting element, and at least part of the temperature detecting element is disposed in a light emitting element disposed region which is a minimum region including the light emitting element projected on the semiconductor chip for driving the light emitting element.

7 (Cancelled).

8. (Original) The semiconductor chip for driving a light emitting element according to claim 6, wherein the light emitting element driving circuit is formed in the semiconductor chip for driving the light emitting element excluding the light emitting element disposed region.

9. (Previously presented) The semiconductor chip for driving a light emitting element according to claim 6, wherein the light emitting element comprises a plurality of visible light emitting elements that emit light at different wavelengths, and the semiconductor chip for driving the light emitting elements drives the light emitting elements individually to maintain white balance of the plurality of light emitting elements based on the temperature detected by the temperature detecting element.

10. (Previously presented) The light emitting device according to claim 1, wherein the semiconductor chip ceases to drive or deactivate the light emitting element at a predetermined temperature.

11. (Currently amended) The light emitting device according to claim 1, wherein the temperature detecting device is ~~not physically~~ indirectly connected to the light emitting ~~device~~ element.

12. (Previously presented) The light emitting device according to claim 1, wherein the temperature detecting element detects the temperature of the light emitting element.

13. (New) A light emitting device, comprising:

a light emitting element having an electric signal terminal, the light emitting element being configured to emit light by an electric signal output from the electric signal terminal; and

a semiconductor chip having a light emitting element driving circuit and a temperature detecting element, the semiconductor chip being configured to drive the light emitting element, the light emitting element driving circuit transmitting the electric signal to the electric signal terminal of the light emitting element, the temperature detecting element detecting a temperature surrounding the light emitting element,

wherein the light emitting element is mounted on the semiconductor chip and is driven based on the temperature detected by the temperature detecting element, and the light emitting element driving circuit is formed in the semiconductor chip to drive the light emitting element excluding a light emitting element disposed region.